THE WASHINGTON CENTER TECHNICAL INFORMATION (as of 8/05/11)

- The theater is a 983-seat proscenium theater. It has been described as a post-modern version of a European opera house - not very deep, but with seating on four levels.

- Architectural plans, elevations, sections, rigging line plot drawings, etc. are available.

- The loading door is located stage left at the rear of the stage and opens onto an alley. Dimensions: 9' 6 " wide x 11 ' 0 " high. The stage floor is level with the alley pavement.

- The stage is a sprung wooden floor covered with Masonite and suspended above a concrete slab. There are no stage traps. Orchestra pit is equipped with a lift.

- Pipe battens are 1 1/2 I.D., generally 55' long, double-extra strong steel pipe.

- The off-stage right area includes a stage manager position, grand drape control and counter weight locking rail.

- The off-stage left area includes the road board power supply hookup and FOH circuit panel.

DIMENSIONS	
proscenium opening	45 ' wide x 25' 6" high
stage right to stage left wall	72'
down stage edge of apron to upstage back wall (centerline)	47' 5"
up stage edge of apron to up stage back wall (centerline)	39' 6"
upstage back wall to orchestra back wall (centerline)	89' 6"
edge of apron to orchestra back wall (centerline)	53'
edge of apron to balcony back wall (centerline)	90' 6"
edge of apron to mezzanine rail (centerline)	61' 6"
plaster line to upstage back wall (centerline)	37' 2"
plaster line to upstage back wall (stage left)	33' 4"
plaster line to up stage back wall (stage right)	33' 2"
center stage to stage right wall (center)	32'
center stage to stage left wall (center)	40'
stage floor to bottom of grid	55'
maximum batten travel variable	45' 6" to 51' 8"

SOFT GOODS INVENTORY

- 1 grand drape - 25 oz. forest green cotton velour, traveler curtain consisting of 2 28 feet by 28 feet panels.
- 1 grand tormentor - 25 oz. forest green cotton velour, 60 feet wide by 8 feet 10 inches high
- 3 pair tracking legs - 20 oz. black cotton velour, 16 feet wide by 24 feet high
- 5 teaser borders - 20 oz. black cotton velour, 55 feet wide by 7 feet high

- 1 bi-parting traveler - 20 oz. black cotton velour consisting of 2 - 28 feet wide by 26 feet high panels
- 10 legs - black commando 8 feet wide by 20 feet high
- 10 legs - black commando 8 feet wide by 18 feet 6 inches high
- 1 sky drop - light blue cotton muslin, 50 feet wide by 28 feet high
- 1 Leno Scrim - white, 45' wide by 27' high
- 1 scrim - black sharkstooth 50 feet wide by 29 feet high
- 2 borders - black commando 3 feet high by 24 feet wide

STAGE LIGHTING SYSTEM (The Lighting Equipment Inventory is utilized in both our Main Stage and Black Box and will be subject to availability)
The stage lighting system is designed on a one light per circuit per dimmer basis. The light board may be controlled from the light booth in the balcony or at the stage manager's console on stage right or left. Dimmers are located in the basement mechanical room.

- ETC Expression lll, 240 channel, 48 sub master, computer memory light board console
- 85 S. C. R. Twin 2.4 KW CD 80 dimmer modules
- Visiting company electrical terminal panels
    - Two (2) 120/208 3 phase 400 amp panels
    - One (1) 120/208 3 phase 400 amp panel split into 200 amp, 60 amp and 30 amp terminals
- Front of house lighting transfer location DS off wing left

DIMMER CONTROLLED CIRCUITS	
center of house bridge	39 circuits
proscenium bridge	21 circuits
left box boom	24 circuits
right box boom	24 circuits
#1 hard electric pipe (circuits 94-132)	39 circuits
#2 hard electric pipe (circuits 55-93)	39 circuits
#3 hard electric pipe (circuits 25-54)	30 circuits
#4 hard electric pipe (circuits 1-24)	24 circuits
stage left floor pockets - 4	6 circuits each (total 24 circuits stage left)
stage right floor pockets - 4	6 circuits each (total 24 circuits stage right)

INSTRUMENT INVENTORY (All Lighting Equipment is subject to change)
(instruments are equipped with 3 wire grounded stage pin connectors)

Quantity	Manufacturer/Model #	Equipment	Watts
73	A360 (Altman)	6 x 9 Leko	750
65	A360Q (Altman)	6 x 12 Leko	750
42	A360Q (Altman)	6 x 16 Leko	750
5	A360Q (Altman)	6 x 16 Leko/Iris	750
1	(Altman)	3 1/2 x 6 Leko	500
40	A75 (Altman)	8" Fresnel	1000
10	(Altman)	6" Fresnel	500
1	A100 (Altman)	3" Fresnel	125
4	A660 (Altman)	10" Beam Projectors	1000
30	A-7264A (Altman)	PAR	1000
14	ETC	Source 4 Par	575

12	155 (Altman)	18" Scoop	1000
8	R-40 (Altman)	R40 Strip (6 foot/3 circuits)	300
5	(Altman)	Sky Cycs 3 Cell	1000
2	Strong Xenon Trouper	Follow Spots	700

LIGHTING ACCESSORIES	
8	1 1/2" I.D. lt. trees with bases/side arms
6 sets	caster units for striplights
6	4-way 8" barn doors
10	4-way 6" barn doors
30	pattern holders
1	24 foot wooden A-frame ladder
1	DPL-24SP Genie 24'-platform dual personnel lift

LINE SET CHART

Line No.	Distance U.S.	Fly Heights	S.L. of Center	S.R. of Center	Total Length	Total Wt. Cap.	Current Use
1	1' - 5 1/2"	51' - 5"	27' - 11"	27' - 3"	55' - 2"	1100	Grand Drape
2	2' 1"	51' - 5"	27' - 11"	27' - 3"	55' - 2"	900	Grand Border
3	2' - 4 1/2"	51' - 5"	27' - 11"	27' - 3"	55' - "	600	
4	3' - 4 1/2"	36' - 0"	27' - 5"	29' - 9"	55' - 2"	1,025	I Electric
I Cloud	4' - 3 1/2"						Acoustical Cloud
5	5' - 6 1/2"	51' - 5"	27' - 9"	27' -5 1/2"	55' - 2 1/2"	620	Border
6	6' - 1"	51' - 5"	27' - 5"	27' - 9"	55' -2"	600	Legs
7	6' - 7"	51' - 5"	27' - 4"	27' - 10"	55' - 2"	600	
8	7' - 3 1/4"	28' - 11"	27' - 4"	27' - 10"	55' - 2"		Movie Screen
9	7' - 11"	49' - 5"	27' - 4"	27' - 10"	55' -2"	990	
10	8' - 10 1/2"	51' - 5"	27' - 2 1/2"	27' - 11"	55' - 1 1/2"	600	
11	9' - 10 1/2"	51' - 5"	27' - 5"	27' - 10"	55' - 3"	600	
12	10' - 4"	51' 4"	27' - 2"	28' - 0 1/2"	55' - 2 1/2"	600	
13	10' - 9"	51' - 5"	27' - 3"	27' - 3"	54' - 6"	990	Border
14	11' - 6 1/2"	51" - 5"	27' - 11 1/2"	27' - 4 1/2"	55' - 4"	925/1,200	Traveler
II Cloud	12' - 4 1/2"						Acoustical Cloud
15	13' - 3"	37' - 6"	27' - 3"	27' - 5"	55' - 2"	1,050	II Electric
16	14' - 9"	51' - 5"	27' - 3 1/2"	27' - 8"	54' - 11 1/2"	600	

17	15' - 4"	49' - 4"	27' - 3"	27' - 5"	54' - 8"	1,025	
18	16' - 3"	51' - 5"	27' - 3"	27' - 3"	54' - 6"	640	
19	16' - 9"	49' - 7"	25' - 9"	25' -2"	50' - 11"	1000	
20	17' - 3"	51' - 5"	27' - 3"	27' - 1"	54' - 4"	620	
21	18' - 3"	51' - 4"	27' - 3 1/2"	27' - 0"	54' 3 1/2"	600	Border
22	18' - 9"	51' - 2"	27' 3"	26' - 11	54' - 2"	620	Legs
23	19' - 2 1/2"	51" - 4"	27' - 3"	26' - 9 1/2"	54' - 1 1/2"	600	
24	20' - 2 1/2"	37' - 2"	27' - 8"	26' - 11"	54' - 3"	1,140	III Electirc
III Cloud	21' - 1 1/2"						Acoustical Cloud
25	22' - 3"	49' - 5"	27' - 0 1/2"	26' - 6"	53' - 6 1/2"	1,025	
26	22' - 9"	51' - 8"	25' - 8"	24' 6 1/2"	50' 2 1/2"	640	
27	23' - 3"	51' - 4"	27' - 3"	26' - 2"	53' - 5"	620	
28	23' - 9"	51' - 5"	27' - 3 1/2"	26' - 0"	53' - 3 1/2"	620	Border
29	24' - 6"	51' 5 1/2"	27' 3 1/2"	26' - 0"	53' - 2"	620	Legs
30	25' - 3"	51' - 3"	27' - 2"	25' - 8"	52' - 10"	640	
31	25' - 9"	51' - 4"	27' - 3 1/2"	25' - 7"	52' - 10 1/2"	600	
32	26' - 8"	36' - 7"	27' - 2"	25' - 5"	52' - 7"	1,175	IV Electric
IV Cloud	27' - 5 1/2"						Acoustical Cloud
33	28' - 5"	51' - 3"	23' - 3 1/2"	25' - 2"	48' - 5 1/2"	640	Border
34	29' - 1 1/2"	51' 5"	25' - 2"	25' - 2 1/2"	50' - 4 1/2"	640	Traveler
Wall	30' - 2"	26' - 3"			35' - 6"		Acoustical Wall
35	30' - 8"	49' - 6"	22' - 9"	24' - 9"	47' - 6"	Does Not Fly	
36	31' - 0 1/2"	49' - 5"	22' - 4"	24' - 10"	47' - 2"	640	CYC
37	31' - 6"	49' - 5"	22' - 2"	24' - 8"	46' - 10"	640	
38	32' - 0"	47' - 4"	22' - 1"	24' - 8"	46' - 9"	1,025	
39	32' - 6 1/2"	49' - 5"	22' - 1"	24' - 8"	46' - 9"	640	
Note: As of 2-16-00 line set 35 is inoperable. Movie screen on line set 8 and acoustical clouds/wall are not to be moved.							

STAGE SOUND SYSTEM

The house audio console and patch panels are located at the rear of the orchestra in the audience left section. Most of the audio amplifiers are located in the audio rack room on the loge (2nd) level.

SOUND EQUIPMENT INVENTORY

Audio Boards

- 1 Allen and Heath iLive-112 Digital Audio Console with iDR10 9U Rack, iDR-64 DSP, CPU, RAB-2, PSU
- 1 Soundcraft Theater Venue 22 channel mixer/2 channel matrix 22X8X2
- 1 Soundcraft Theater Delta 12X4X2
- 1 TOA MX 106 6 channel power mixer (200 watt)
- 1 Bogan CT-60B 4 input power mixer

Main Speakers

The Washington Center has a stereo speaker system utilizing EAW components. Each side of the system has four KF 650e cabinets, two SB 600 sub-woofers per side, and one JF 80 near fill. Top balcony coverage is accomplished with four MK 5164 cabinets on a time delay from the lighting bridge. Two specific high-frequency-shadowed areas utilize time-delayed ceiling speakers.

Amplifiers/Equalizers/Signal Processing

- 1 UX8800 EAW System Processer for Main Speaker System
- 4 Crown MA 2402 power amps for primary cabinet high-frequency signals
- 2 Crown MA 3600 power amps for primary cabinet low-frequency signals
- 1 Crown MA 5002 power amp for sub-woofer cabinets
- 1 Altec 2200A incremental power amp on mono center cluster
- 1 TOA A912 monitor amp (for lobby)
- 1 TOA A906 monitor amp (for dressing rooms)
- 1 TOA A903 monitor amp (for light booth)
- 1 QSC PLX 1602 stereo monitor amp (500 watts @ 4 ohms)
- 2 Chrest CA9 stereo power amps (900 watts @ 4 ohms)
- 1 Lexicon Alex multi-effects processor
- 2 DBX 166A stereo compressor/limiter
- 1 Graphic EQ 31 Band 1/3 Octave Dual DA6 Drawmer
- 3 DBX Graphic EQ 31 Band 1/3 Octave Dual
- 1 Symetrix 501 compressor/limiter
- 1 Stewart PM-6 phantom power unit
- 2 BSS FDS 355 omni-drives
- 2 Klark Teknik DN 360 graphic equalizers
- 1 EV XP 200 A System Contoller
- 1 Alesis Microverb ll
- 1 Alesis Microverb lll
- 3 Yamaha Q2031 graphic equalizers

PLAY BACK UNITS

- 1 Numark CDN22-MK5 Dual CD Player
- 1 Marantz PMD320 CD player
- 1 Sony Dual-Deck Cassette Player (must request in advance)

MICROPHONES

- 11 Shure SM 58
- 2 Shure SM 77
- 5 Shure SM 57 with wind screens
- 1 Audix F4
- 1 Shure SM 11 (wired lavilier)
- 1 Altec D645 (RE-15)
- 1 Altec D646 (RE-16)
- 3 Audio AT853 w/power supply AT 8505
- 4 Crown CM310
- 4 Shure SM 81 condenser
- 1 Shure UHF - UR4D Dual wireless receivers
- 2 SM 86 wireless hand held/ Lav wireless
- 2 Shure MC50 Lavaliers
- 1 Barcus-Berry 4000XL Planer Wave
- 7 Whirlwind Director D/I boxes

MONITORS

- 6 EV SX 200 wedge monitors with stands
- 2 EV SB 120A power subs
- 3 Anchor AN135 AN135BK Powered Speakers, 3.5 mm & ¼", 30 W, 4.5" Speakers

STANDS AND CABLING

- 11 K&M tripod boom stands
- 7 short stands
- 1 Rapco 150' 12X4 snake
- various mic cables
- various speaker cables
- various adapters

COMMUNICATION EQUIPMENT INVENTORY

- 1 Clearcom MS-200 (2 channel) power station
- 1 Clearcom RM-120A speaker station (2 channel)
- 15 Clearcom RS-100A belt packs (single channel)
- 14 Clearcom CC-75B single muff headsets
- 3 Clearcom CC-240B double muff headsets
- 6 Clearcom HS-6 hand sets
- 1 Clearcom KB-111A speaker station/portable box
- 2 Clearcom MR-102A speaker stations
- 3 Telex TR200 VHF wireless beltpacks (frequencies of 19679, 19682, and 19620)
- 1 Telex BTR-200 wireless transceiver

PROJECTION EQUIPMENT INVENTORY

- Panasonic 7000 PT – DW 7000U DLP/HD Projector 6000 Lumen with VGA & S-Video inputs
- Hitachi LCD CP-X3011 Projector 3200 Lumen
- 1 20'Hx 35'-6" W projection screen (fixed on lineset 8#)
- 1 Blueray DVD Player
- 2 DVD Players
- 1 DVD Recorder
- 1 Adjustable Projector Stand

CAMERA

- Sony BRC-Z700, 3 CMOS CCD Robotic Camera with video feed to FOH Lobby, Back Stage Right, Green Room and Black Box. Camera patched to DVD Recorder for requested recording.

- RM-BR300 Remote Control Unit

ORCHESTRA EQUIPMENT

The Stage I orchestra pit will accommodate approximately 30 musicians. The front portion of the pit floor is an adjustable lift.

- 72 Wenger music stands
- 80 musicians chairs
- 1 conductor's stand
- 1 1-step podium
- 1 Wenger full enclosure orchestra shell (multiple configurations)
- 1 4' x 4' 8" tall carpeted rostrum for solo platform

MISCELANEOUS

- 20 Cabaret Tables

- 125 Padded Folding Audience Chairs

- 150 Padded Stacking Chairs

Lectern

- WCPA Lectern with Microphone

PIANOS

- 1 Steinway D 9' Concert Grand
- 1 Kimball 6' Baby Grand

THEATER ORGAN

- 1 Wurlitzer theater pipe organ - 3 Manual, 21 Ranks

SUPPORT FACILITIES

- **Dressing Rooms**

The Stage I dressing rooms are located on the lower level, beneath the stage. We have two small star dressing rooms with private bathrooms and showers and two chorus dressing rooms. Men's and women's restrooms are equipped with showers.

- **Green Room / Actors Lounge**

A green room is immediately adjacent to the dressing rooms, with refrigerator, microwave.

- **Production Office**

A glassed-in production office with one telephone line is located in the green room area and wireless internet access upon request.

- **Laundry Facilities**

1 washer and 1 dryer are available, as are 2 steamers, 2 irons, and 2 ironing boards.